

19. (Original) A method according to claim 15, wherein decoding an uncompressed color includes selecting an index from a color palette according to whether the compressed color represents the same color as the left neighbor color or the upper neighbor color.

20. (Original) A method according to claim 19, wherein selecting an index from a color palette includes decoding the selected index when the compressed color is determined to be different from the left neighbor color and the upper neighbor color.

21. (Canceled)

22. (Previously Presented) A computer-readable medium containing a program to compress an indexed color image on a computer, the program comprising:

- identification software to identify a pixel color for a pixel;
- identification software to identify a left neighbor color for a left neighbor of the pixel;
- identification software to identify an upper neighbor color for an upper neighbor of the pixel;
- comparison software to compare the pixel color with the left neighbor color and the upper neighbor color;
- selection software to select a probability model from a probability set, the probability set including at least two probability models, each probability model including at least two probabilities for the pixel color;
- encoding software to encode the pixel color based on the comparison using the probability model; and
- updating software to update the probability model.

23. (Original) A computer-readable medium containing a program according to claim 22, wherein the updating software includes changing software to change a probability value regarding the relationship between the pixel color and the left neighbor color and the upper neighbor color.

24. (Original) A computer-readable medium containing a program according to claim 22, wherein the encoding software includes selection software to select one of a